

U.S. ARMY TANK AUTOMOTIVE AND ARMAMENTS COMMAND
WORK DIRECTIVE

CONTRACTOR:
Orion Advanced Simulation & Intel Systems, Inc.
(dba Oasis Advanced Engineering, Inc.)

WORK DIRECTIVE NO.: ACSL010001

Sheet 1 of 1

Date: March 1, 2001

CONTRACT NO.:

CONTRACT REFERENCE:

PROGRAM/VEHICLE: Abrams Tank System

**SUBJECT: M1A2 & M1A2 SEP ABRAMS COMMON SOFTWARE LIBRARY (ACSL)
MANAGEMENT SUPPORT**

1.0. OBJECTIVE

Provide management support for the on-going ACSL activities.

2.0. TASKS

- A. The contractor shall manage and control his resources to ensure that the activities necessary for the on-going development and delivery of the items and services detailed in all work directives associated with the ACSL Program are accomplished on schedule.
- B. The contractor shall prepare contract administration data and work directive input when requested.
- C. The contractor shall prepare and submit a monthly report detailing cost and schedule performance in accordance with DI-FNCL-80912. As a minimum, the report will detail the following:
 - i. Funding expenditures for the month and cumulative
 - ii. Brief synopsis of accomplishments for the past month
 - iii. Actual versus planned schedule of activities for the entire program
 - iv. Brief synopsis of any meetings and discussions with training device contractors
 - v. Problems, concerns or issues
 - vi. Brief synopsis of planned activities for the following month

3.0. DELIVERABLES

- A. Monthly Cost and Performance Reports

4.0. HOURS

Total ~~120~~/year 40 hrs

Approved by the Contracting Officer's Technical Representative: Dorothy Forbush _____ Date: 4 SEP 01

Approval: Contracting Officer: _____ Date: _____

Acknowledgement: Contractor's Representative: _____ Date: _____

U.S. ARMY TANK AUTOMOTIVE AND ARMAMENTS COMMAND

WORK DIRECTIVE

CONTRACTOR:

Orion Advanced Simulation & Intel Systems, Inc.
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WORK DIRECTIVE NO.: ACSL010002

Sheet 1 of 2

Date: March 1,, 2001

CONTRACT NO.:

CONTRACT REFERENCE:

PROGRAM/VEHICLE: Abrams Tank System

SUBJECT: M1A2 & M1A2 SEP ABRAMS COMMON SOFTWARE LIBRARY (ACSL) ENGINEERING SUPPORT

1.0 OBJECTIVE

Convert M1A2 & M1A2 SEP Tank, herein after referred to as the Tank, and other M1A2 Tank Variant Vehicle source code into the ACSL format for use in training devices and other applications.

2.0 DESIGN AND DEVELOPMENT CRITERIA

- A. BASELINE CONFIGURATION – The contractor shall use the latest fielded version of the Tank Software along with software from other Tank Variant Vehicles for work performed under this work directive.
- B. SYSTEM ARCHITECTURE – The contractor shall convert the latest Tank source code into the existing ACSL architecture.
- C. STANDARDS – The contractor shall use the Ada programming language in accordance with ANSI/MIL-STD1815A-1983 for the software development required under this work directive.

3.0 ANALYSIS

- A. The contractor shall analyze the latest fielded version of the Tank Software with its associated documentation and define the modifications that are required to convert the source code into an ACSL release.

4.0 DEVELOPMENT TASKS

- A. The contractor shall develop engineering and formal releases of:
 - 1. M1A2 Tank Software Version 2.6 and higher versions
 - 2. M1A2 SEP Tank Versions 3.4.2, 3.4.3, 3.4.5, 3.5, and higher versions
 - 3. M1A2 Tank Variant Vehicle software versions as directed by the government

Approved by the Contracting Officer's Technical Representative: Dorothy Forbush_____ Date: 4 SEP 01_____

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WORK DIRECTIVE NO.: ACSL010002

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- B. The contractor shall define the ACSL system modifications that are required to incorporate the capabilities as identified during conversions of the Tank software.
 - C. The contractor shall make the required ACSL modifications.
 - D. The contractor shall update the ACSL Software Design Document.
 - E. The contractor shall update the tools and test suite required to conduct contractor testing and to support government verification audits and acceptance test of the ACSL releases.
 - F. The contractor shall deliver formal and engineering ACSL releases to Tank training devices prime contractors as directed by the government.

5.0 GOVERNMENT-FURNISHED ITEMS

- A. The government will provide the contractor with a copy of the latest version of the fielded Tank Software, in a format specified by the contractor, to support the tasks identified in Paragraph 4.
- B. The government will provide the contractor with Tank Software Documentation, as it becomes available and as requested by the contractor.
- C. The government will provide access to a Tank as requested and required by the contractor in support of this effort.

6.0 DELIVERABLES

- A. ACSL formal releases (including M1A2, M1A2 SEP and other M1A2 Tank Variant Vehicles)
- B. Updated version of the ACSL Software Design Document, as desired by the government
- C. ACSL tools and test suite, as desired by the government

7.0 Hours

Total ~~6,000/year~~—3000 hrs

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CONTRACTOR:

Orion Advanced Simulation & Intel Systems, Inc.
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WORK DIRECTIVE NO.: ACSL010003

Sheet 1 of 1

Date: March 1, 2001

CONTRACT NO.:

CONTRACT REFERENCE:

PROGRAM/VEHICLE: Abrams Tank System and Variants

SUBJECT: M1A2 & M1A2 SEP ABRAMS COMMON SOFTWARE LIBRARY (ACSL) TECHNICAL SUPPORT

1.0 OBJECTIVES

Provide technical support to M1A2 & M1A2 SEP Tank, herein after referred to as the Tank, training device contractors.

2.0 TASKS

- A. The contractor shall provide technical assistance to the Tank training device contractors on an as-required basis including phone consultation and responses to written questions relating to ACSL. Technical support regarding non-ACSL training device issues may be provided at the direction of the COTR.
- B. The contractor shall maintain a log containing all correspondence and a brief synopsis of all meetings and discussions held with the training device contractors.
- C. The contractor shall copy the COTR on all written correspondence with the training device contractors.
- D. Whenever practical, the contractor shall include the COTR in the meetings and discussions with the training device contractors.

3.0 DELIVERABLES

- A. A copy of the month's log entries shall be delivered as part of the monthly Cost and Performance Report.

4.0 Hours

Total ~~120/year~~ 40 hrs

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